

# Planer-Type Milling M/C - Double Column Reichenbacher Hamuel Shape 2000 - 5 axis



stock-no.: 0400011  
type of machine: Planer-Type Milling M/C - Double Column  
make: Reichenbacher Hamuel  
type: Shape 2000 - 5 axis  
year of manufacture: 1999  
type of control: CNC  
country of origin: Germany  
storage location: Flanschenwerk  
delivery time: immediately  
freight basis: EXW, free on truck unpacked  
price: on request



## technical details

|                                   |                       |
|-----------------------------------|-----------------------|
| x-travel:                         | 3 500 mm              |
| y-travel:                         | 2 200 mm              |
| z-travel:                         | 1 200 mm              |
| c-axis:                           | +/- 200°              |
| control:                          | Heidenhain TNC 426    |
| spindle rpm - counter clockwise:: | max. 10000            |
| spindle rpm - clockwise::         | max. 10000            |
| distance between columns:         | 2 500 mm              |
| distance spindle /table:          | vertical: 1230 mm     |
| clamping surface area:            | Tisch: 3000 x 2000 mm |
| table load:                       | 10 t                  |
| tool taper:                       | HSK A 63              |
| feed::                            | X/Y/Z: max. 20 m/min. |
| compressed air:                   | 8 bar                 |
| total power requirement:          | ca. 100 kW            |
| weight of the machine ca.:        | 40 000 kg             |
| dimensions of machine:            | 18,0 x 6,0 x 5,8 m    |

## additional information

5 axis Portal Milling Machine

5-axis portal milling machine

Milling spindle: make Hauser type HS 256A-01 Uni, speed max. 10.000 rpm. direct drive  
Milling head: make Hamül, fork type, A-axis integrated = angle of rotation +/- 110°.  
Tool changer: Hamül make, rotary indexing table type with rotary table, for 32 tool positions  
chip conveyor: 2 pieces hinged belt conveyor make DGS with water tank, insertion length 8.500mm  
make BKW type DL 55V-2KK, capacity 2,41 l/min.; (combined for oil- water mixture for oil and spindle cooling)  
Cooling lubricant system: belt filter make DGS type SBF 150  
Operation: via control panel type Heidenhain LE 426  
X-, Y- and Z-axis with Heidenhain measuring rods.  
manual control unit HR 410  
hydraulic counterbalance (Z-axis)

Equipment:  
Enclosure (protective walls with viewing windows and protective doors)

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hydraulic system  
working area lighting